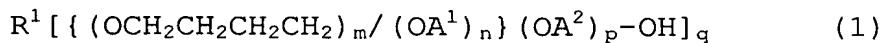


ABSTRACT

The present invention provides
 a lubricant for water-based metal working oil
 5 containing polyether (E) represented by the following
 general formula (1) and having an HLB of 6.1 to 16.0 and a
 weight-average molecular weight of 500 to 10,000



[in the formula, R^1 denotes a residue such that at least
 10 one hydroxyl group is removed from a compound with a carbon
 number of 1 to 24 having 1 to 6 hydroxyl group(s); A^1
 denotes an alkylene group with a carbon number of 2 to 4
 except a 1,4-butylene group; A^2 denotes an alkylene group
 with a carbon number of 2 to 4; m denotes an integer of 1
 15 or more having an average of 1 to 120; n and p each denotes
 an integer of 0, 1 or more such that an average of $(n+p)$ is
 1 to 200, and n and p are not simultaneously 0; q denotes
 an integer of 1 to 6; and $\{(OCH_2CH_2CH_2CH_2)_m/(OA^1)_n\}$ in a case
 where n is an integer of 1 or more denotes a random bond],
 20 and water-based metal working oil containing said
 lubricant.

They are superior in lubricity to steel materials as
 well as, particularly, lubricity to soft metal such as
 aluminum, and excellent because of stability on dilution
 25 with water and non-separation property.